

5090
Ser 1142E/Alameda/HAS

5 MAY 1986

California Regional Water Quality Control Board
San Francisco Bay Region
Attn: Dennis Hishek
1111 Jackson Street, Room 5040
Oakland, CA 94607

Gentlemen:

In a phone conversation with Mr. Dennis Hishek of your staff on 30 January 1986, it was learned that the Board was concerned about a proposed Navy project to install oil spill containment structures at the Naval Air Station, Alameda, CA. Enclosures (1) and (2) describe the proposed project. The containment structures will contain oil accidentally discharged from two storm sewer outfalls. In the event of an oil spill at the station, immediate actions are undertaken to contain and cleanup the spill to preclude any discharge to storm drains. However, minimal amounts of oil, such as surface runoff over vehicle parking lots, could reach the storm drain system and be discharged from the outfalls. This project will install two structures to contain such discharges.

The Board also expressed concern regarding the required dredging and disposal of 1500 cubic yards of material at the Alcatraz Island disposal site. As noted by Mr. Hishek, the seaplane lagoon had been historically the receiving water for the disposal of wastewaters possibly contaminated with heavy metals, solvents, paints, detergents, acids, alkyls, caustics, mercury, oil and grease, pesticides and PCBs. The Navy report cited in your letter of February 4, 1985 (File No 2199.9080(DAH)aj) to the Corps of Engineers, concluded, after testing ten sediment samples from the seaplane lagoon for 17 heavy metals and for organochlorine pesticides and PCBs, that the sediments did not contain heavy metal concentrations significantly higher than those found by the Corps outside of the lagoon. Pesticides and PCBs were not detected in any of the sediment samples. Based upon the findings of that report, the Navy believes that disposal of the dredged material at the Alcatraz Island disposal site is appropriate.

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To help resolve any Board concerns regarding possible contaminants in the sediments to be dredged and disposed of at Alcatraz, enclosure (3) describes the proposed testing to be accomplished. Enclosure (4) shows the proposed sampling locations within each area to be dredged. Samples will be taken at four locations as shown. The core samples will be taken to the project depth of dredging (elevation 96.0 or -5 feet Mean Lower Low Water).

The testing described in enclosure (3) was developed in consultation with Ms. Jody Zaitlin of the Corps of Engineers based upon the probable wastewater contaminants described previously. It is hoped that the testing will resolve your concerns regarding the proposed disposal of the dredged sediments at Alcatraz. If you have any comments regarding the proposed sampling and testing, please provide them to us by May 23, 1986. If comments are not received by that date, we will presume that the proposed sampling and testing is satisfactory to you and we will proceed with it as planned. Questions regarding this project may be directed to Louise T. Lew at (415) 877-7497.

Sincerely,

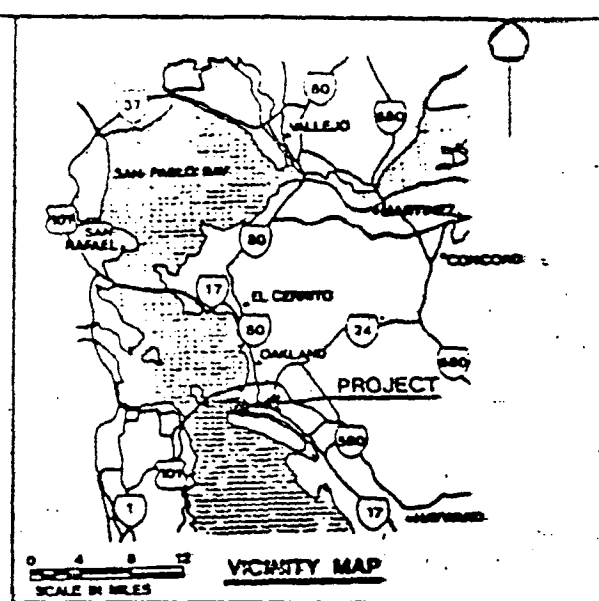
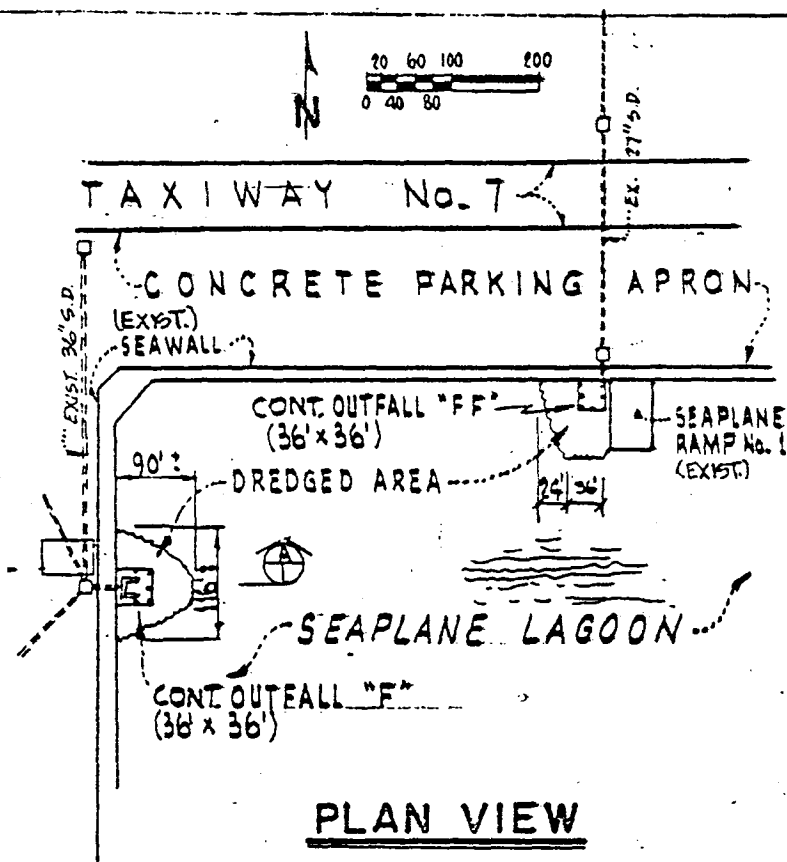
ALEX E. DONG
HEAD, WEST CENTRAL ENVIRONMENTAL SECTION

Encl:

- (1) Oil Spill Containment Outfall Structures
- (2) Vicinity Map
- (3) Proposed Testing
- (4) Proposed Sampling Locations

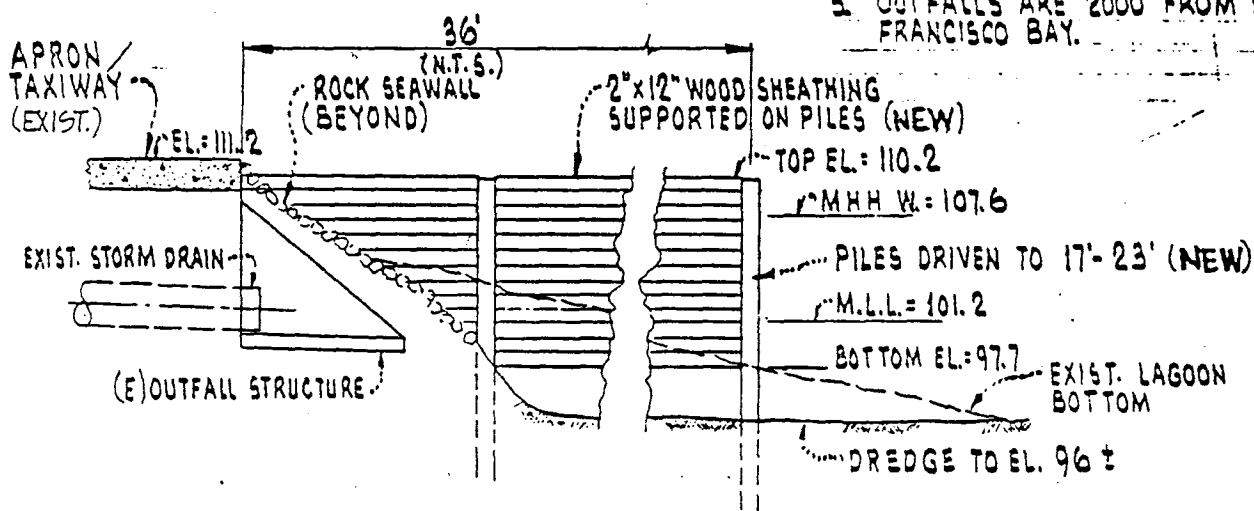
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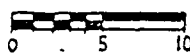


NOTES:

1. APPROXIMATELY 1500 C.Y. OF MATERIAL TO BE EXCAVATED.
2. SPOILS TO BE TRANSPORTED TO APPROVED DISPOSAL SITE AT ALCATRAZ ISLAND.
3. OUTFALLS ARE 2000' FROM SAN FRANCISCO BAY.



TYPICAL SECTION A



PURPOSE: OIL CONTAINMENT OUTFALL STRUCTURE; MILITARY/GOVT. USE

DATUM: USCGS, MLLW + 101.2'

ADJACENT PROPERTY OWNERS:

① CITY OF ALAMEDA

②

AT NAS ALAMEDA

COUNTY OF ALAMEDA

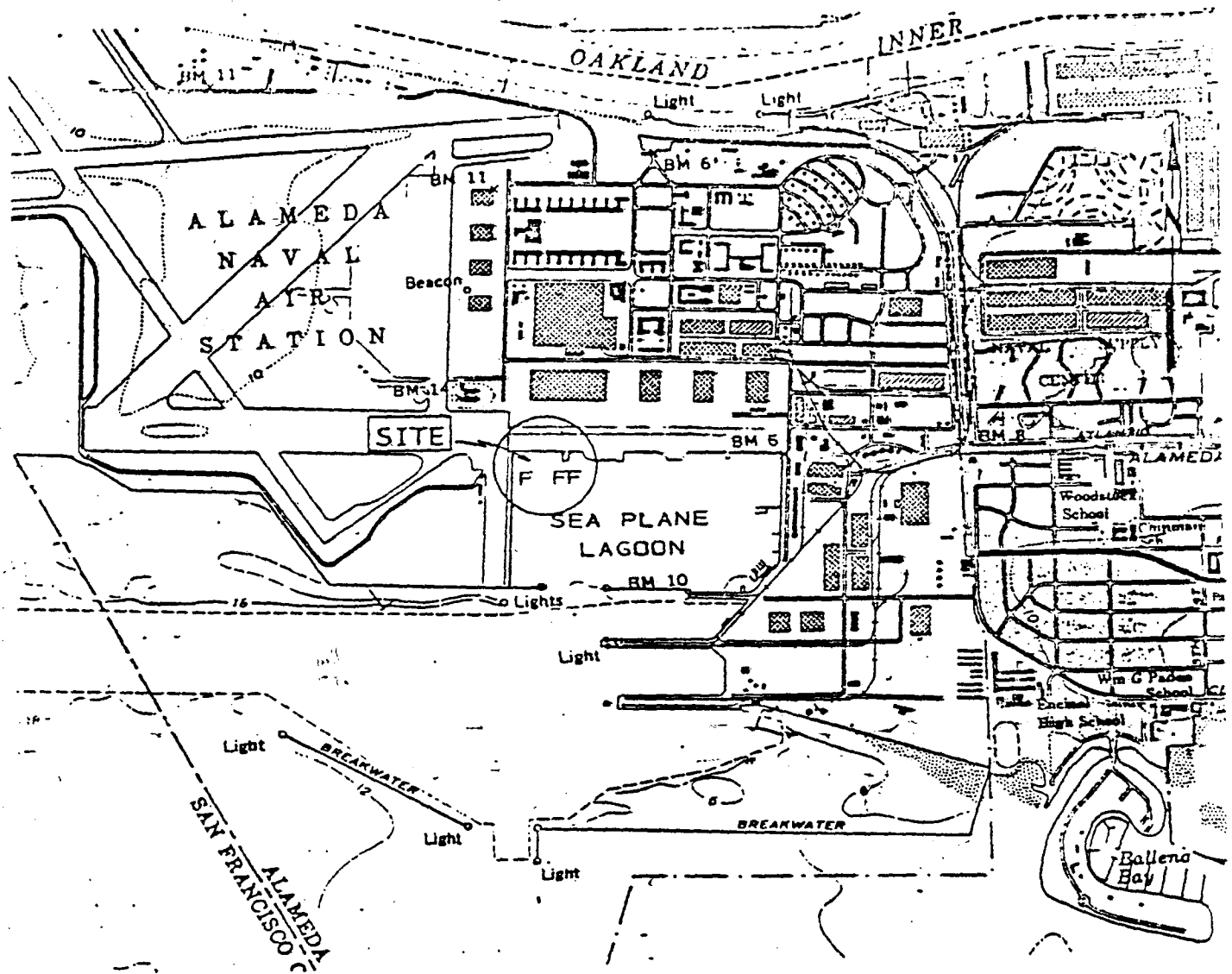
STATE CALIFORNIA

APPLICATION BY WEST OCN NAV FAC ENG COM

SHEET 1 OF 2

DATE: 10 JAN 1986

Enclosure (1)



SCALE: 1" = 2000'

VICINITY MAP

DIL CONTAINMENT STORM SEWER
OUTFALL STRUCTURES
NAS ALAMEDA

AT NAS ALAMEDA
COUNTY OF ALAMEDA STATE CALIFORNIA
APPLICATION BY WEST DIV NAV FAC ENG COM

SHEET 2 OF 2

DATE: 10 JAN 1986

BASE: PORTION OF U.S.G.S. OAKLAND WEST, CAL. FORNIA,
7 1/2-MINUTE TOPOGRAPHIC QUADRANGLE, PHOTO-
REVISED 1980, AT A SCALE OF 1:24,000.

Enclosure (2)

Proposed Testing

ELUTRIATE ANALYSIS^{1,2} - Parameters to be tested

- Cadmium
- Mercury
- Lead
- Arsenic
- Chromium (hexavalent)
- Copper
- Nickel
- Silver
- Zinc
- Total Identifiable Chlorinated Hydrocarbons (TICH)
- Petroleum Hydrocarbons
- PCBs
- Oil and Grease

SEDIMENT ANALYSIS - (Total concentration in sediment)

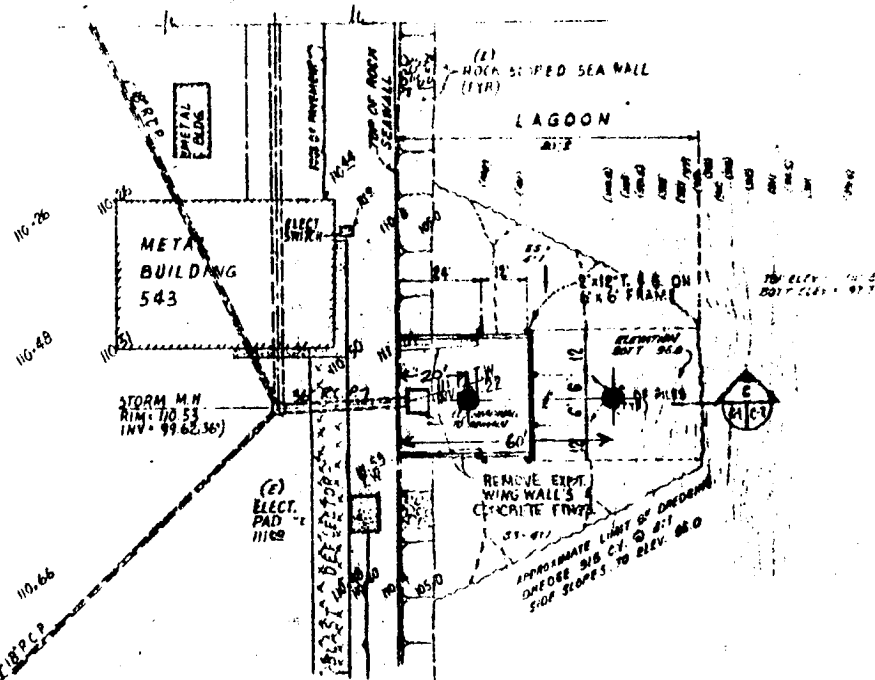
- Same parameters as for elutriate analysis¹

On Composited Sediment Sample³

- volatile organics
- base, neutral, acid-extractable organics
- pH
- amphipod bioassay⁴

- Notes: 1 Two samples from each outfall area for a total of four samples
2 In accordance with Corps of Engineers Public Notice PN 78-1
3 The four samples will be composited into a single sample for testing
4 Swartz R.C. et al 1985 "Phoxocephalid Amphipod Bioassay for Marine Sediment Toxicity" in: Aquatic Toxicology and Hazard Assessments: 7th Symposium ASTM STP 854, 284-307

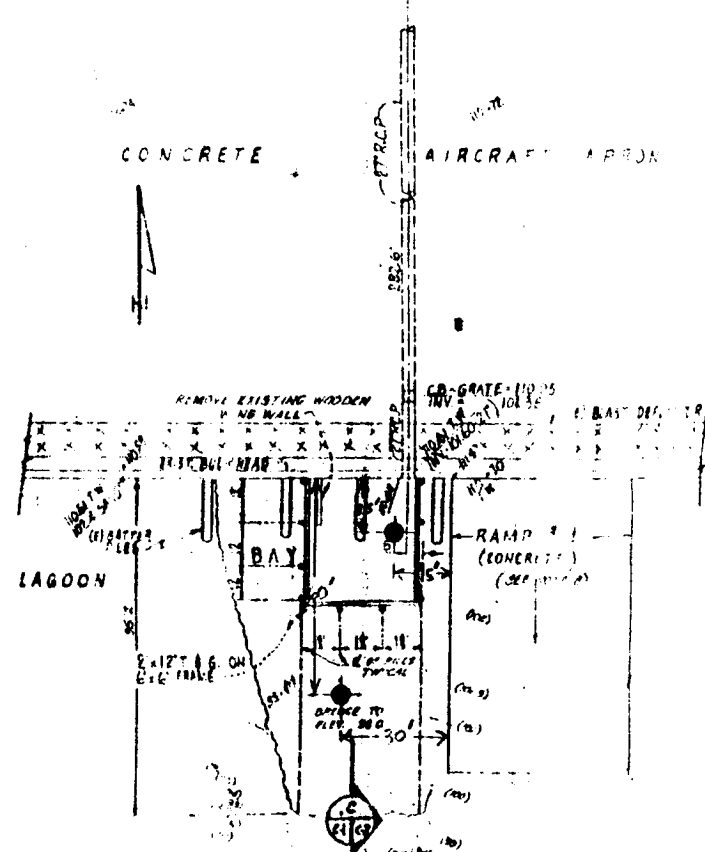
PROPOSED SAMPLING LOCATIONS



SITE PLAN OUTFALL "F"

SCALE 1"=40'

1"=40'



SITE PLAN OUTFALL "F"

SCALE 1"=40'

1"=40'